

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110320\
 Data File : VL035805.D
 Acq On : 3 Nov 2020 14:18
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:13:31 PM

Quant Time: Nov 03 14:47:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 03 14:47:38 2020
 QLast Update : Tue Nov 03 11:09:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1223920	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	5676225	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	5489098	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3785639	9.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2768312	13.785	ppbv	98
3) Chlorodifluoromethane	2.98	51	2009598	15.262	ppbv	98
4) Chloromethane	3.13	50	1013474	14.328	ppbv	100
5) Vinyl Chloride	3.25	62	1315843	15.728	ppbv	98
6) Bromomethane	3.47	94	1107742	15.663	ppbv	98
7) Chloroethane	3.55	64	490240	15.977	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	3614568	14.839	ppbv	99
9) Propene	3.00	41	770356	16.114	ppbv	100
10) Heptane	8.12	43	2028974	15.224	ppbv	94
11) Trichlorofluoromethane	3.94	101	3852518	13.445	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2985274	13.976	ppbv	95
13) Ethanol	3.60	45	129756	11.006	ppbv	96
14) Bromoethene	3.73	108	1503764	16.713	ppbv	98
15) Acetone	3.84	43	1676043	12.727	ppbv	95
16) 1,3-Butadiene	3.32	39	786571	16.326	ppbv	93
17) tert-Butyl alcohol	4.29	59	2279873	15.893	ppbv	100
18) 1,1-Dichloroethene	4.28	96	1457312	15.582	ppbv	100
19) Isopropyl Alcohol	3.96	45	1031025	14.392	ppbv	# 1
20) Methylene Chloride	4.34	84	1234556	12.762	ppbv	99
21) Allyl Chloride	4.40	41	1086857	17.026	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	1480292	14.982	ppbv	98
23) Vinyl Acetate	5.07	43	2471431	15.321	ppbv	97
24) 1,1-Dichloroethane	5.01	63	2515695	14.318	ppbv	98
25) Ethyl Acetate	5.67	43	3480004	14.685	ppbv	98
26) Hexane	5.68	57	1963432	15.120	ppbv	95
27) Carbon Disulfide	4.54	76	3316172	17.133	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	3731893	18.130	ppbv	99
29) Chloroform	5.75	83	3950882	14.982	ppbv	99
30) Cyclohexane	7.13	84	2348645	18.331	ppbv	90
31) cis-1,2-Dichloroethene	5.55	61	2164856	17.270	ppbv	93
32) 1,1,1-Trichloroethane	6.51	97	4015695	17.274	ppbv	98
34) 2-Butanone	5.24	43	2257170	12.023	ppbv	92
35) Carbon Tetrachloride	7.01	117	3972080	13.422	ppbv	99
36) Benzene	6.89	78	5344325	14.449	ppbv	99
37) 1,2-Dichloroethane	6.31	62	2500839	12.973	ppbv	98
38) Trichloroethene	7.83	130	2531471	13.720	ppbv	99
39) 1,2-Dichloropropane	7.61	63	1803892	13.456	ppbv	95
40) 1,4-Dioxane	7.83	88	807584	13.172	ppbv	91
41) Tetrahydrofuran	6.04	42	1363294	14.414	ppbv	89
42) Bromodichloromethane	7.79	83	4304619	13.862	ppbv	97
43) Methyl Methacrylate	8.01	69	2213734	15.049	ppbv	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	6373845	12.009	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	2646592	17.820	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	3098974	16.928	ppbv	95
47) 1,1,2-Trichloroethane	9.48	97	2527340	13.162	ppbv	99
48) Dibromochloromethane	10.31	129	4079306	13.959	ppbv	99
49) Bromoform	13.05	173	3423230	13.805	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	3398229	12.392	ppbv	94
51) 2-Hexanone	10.13	43	2850540	12.902	ppbv #	93
52) Tetrachloroethene	11.23	164	2346141	13.191	ppbv	96
53) Toluene	9.81	91	6351778	14.564	ppbv	97
54) 1,2-Dibromoethane	10.62	107	3856592	13.413	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	3093323	13.440	ppbv #	92
57) Chlorobenzene	12.15	112	5168582	12.467	ppbv	98
58) Ethyl Benzene	12.72	91	7868699	14.282	ppbv	90
59) m/p-Xylene	13.00	91	12818395m	26.642	ppbv	
60) o-Xylene	13.70	91	6292470	12.929	ppbv	96
61) Styrene	13.54	104	5350925	15.900	ppbv	98
62) Isopropylbenzene	14.67	105	9283843	12.298	ppbv	94
63) 1,1,2,2-Tetrachloroethane	13.69	83	4448193	11.146	ppbv	99
64) n-propylbenzene	15.57	120	3076998	13.927	ppbv	77
65) tert-Butylbenzene	16.75	119	8359817	12.180	ppbv	98
66) Benzyl Chloride	17.00	91	3667603	17.637	ppbv	96
67) sec-Butylbenzene	17.30	105	10651946	11.239	ppbv	93
69) p-Isopropyltoluene	17.66	119	9222532	11.960	ppbv	96
70) n-Butylbenzene	18.56	91	8756489	11.028	ppbv	93
71) 2-Chlorotoluene	15.46	91	7201763	13.079	ppbv	93
72) 4-Ethyltoluene	15.85	105	7634539	13.242	ppbv	97
73) 1,3,5-Trimethylbenzene	16.00	105	7005410	12.858	ppbv	94
74) 1,2,4-Trimethylbenzene	16.77	105	6934183	11.290	ppbv	95
75) 1,3-Dichlorobenzene	17.01	146	4679647	11.160	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	4788048	11.946	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	4664271	11.777	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	2046752	9.367	ppbv	100
79) Naphthalene	22.21	128	6210217	10.601	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	1529226	11.067	ppbv	98
81) 1,2,4-Trichlorobenzene	21.94	180	3235638	10.658	ppbv	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

